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TECH CENTER 1600/2900

SEQUENCE LISTING

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<120> PRION-BINDING LIGANDS AND METHODS OF USING SAME

<130> 18242-507

<140> 09/543,188

<141> 2000-04-05

<160> 39

<170> PatentIn Ver. 2.1

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<211> 8

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Prion Protein  
Amino Acid Sequence

<400> 1

Gly Trp Gly Gln Pro His Gly Gly

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<210> 2

<211> 16

<212> PRT

<213> Artificial Sequence

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Amino Acid Sequence

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<210> 3

<211> 6

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<223> Description of Artificial Sequence: Synthetic  
Peptide Sequence

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Leu Leu Ile Trp Ile Pro  
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<211> 6

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Peptide Sequence

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Trp Leu Tyr Trp Ile Pro  
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<211> 6

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Peptide Sequence

<400> 5

Trp Glu Phe Tyr Trp Phe  
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Peptide Sequence

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Tyr Val Phe Asn Trp Tyr  
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Leu Ala Trp Phe Trp Arg  
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Gly Phe Phe Phe Trp Trp  
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Ser Phe Pro Tyr Tyr Tyr  
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Leu Leu Leu Val Ile Ala

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Ser Leu Glu Glu Tyr Val

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Leu Arg Val Ile Ile Ser

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Gln Leu Gly His Gln Trp

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<400> 17  
Ser Asn Tyr Gly Pro Tyr  
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<400> 18  
Pro Phe His Pro Gly  
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Peptide Sequence

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Trp Phe Pro His Phe Phe

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Ile Gln Ile Trp Ile Phe

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<211> 6

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<400> 22

Leu Trp Trp Leu Phe Val

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<211> 6

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Peptide Sequence

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Ile Phe Phe Trp Ile Lys  
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Peptide Sequence

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Arg Trp Ile Ile Ser Leu  
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<210> 25  
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Val Phe Glu Tyr Ile Lys  
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<210> 27  
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Peptide Sequence

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Trp Leu Val Trp Ile Ala  
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<210> 28  
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Peptide Sequence

<400> 28  
Tyr Trp Phe Ile Tyr Ile  
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<210> 29  
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Peptide Sequence

<400> 29  
Thr Gly Ile Pro Ile Ile  
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<210> 30  
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<212> PRT  
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Peptide Sequence

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His Lys Glu Gln Gly Ala  
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<210> 31  
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<212> PRT  
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<223> Description of Artificial Sequence: Fragment of  
Prion Protein Amino Acid Sequence

<400> 31  
His Gly Gly Gly Trp  
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<210> 32  
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<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Prion Protein  
Copper Binding Amino Acid Motif

<400> 32  
His Gly Gly Gly  
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<210> 33  
<211> 16  
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<220>  
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Repeated Amino Acid Sequence

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Pro His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln  
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<210> 34  
<211> 17  
<212> PRT  
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<223> Description of Artificial Sequence: Prion Protein  
Retro-Inverso Amino Acid Sequence

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Asp Gly Gly His Pro Gln Gly Trp Gly Gly Gly His Pro Gln Gly Trp  
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Gly

INS  
B1  
  
<210> 35  
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Phe Leu Leu His Pro Ile  
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<210> 36  
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His His His Pro Gln Thr  
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<223> Description of Artificial Sequence: Peptide 71

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Arg Tyr His Val Tyr Phe

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<210> 38

<211> 6

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<223> Description of Artificial Sequence: Prion Binding  
Ligand Peptide Retro-Inverso Sequence

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Phe Ile Trp Ile Gln Ile

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<210> 39

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<223> Description of Artificial Sequence: 3F4 Antibody  
Recognized Prion Protein Peptide Sequence

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Met Lys His Met

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